



Australian Government

Assessment Requirements for MEM05011 Assemble fabricated components

Release: 2

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Modification History

Release 2. Quantum of hours of workplace practice removed. Supersedes and is equivalent to MEM05011 Assemble fabricated components (Release 1).

Release 1. Supersedes and is equivalent to MEM05011D Assemble fabricated components.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- constructing necessary jigs
- planning fabricated component assembly tasks and sequences efficiently and effectively
- aligning material in jigs and using fixtures, tools and equipment as necessary to check the position of all assembled components visually and dimensionally
- marking datum lines in an appropriate manner
- positioning and assembling general fabricated components in accordance with drawing/specifications using accepted engineering trade techniques, practices, processes and workplace procedures either on-site or in a fabrication workshop
- applying appropriate distortion control techniques and checking to ensure compliance of the final assembly with specifications.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- methods and techniques for assembly of fabricated components
- jig construction
- effects of distortion of fabricated components and distortion prevention techniques
- uses and interpretation of drawings, specifications and material lists
- characteristics of relevant tools and equipment for determining squareness, level and alignment
- function and determination of datum lines
- fixing/joining techniques, including:
 - welding
 - adhesives

- fasteners
- rivets
- defects associated with the assembly of fabricated components and methods of rectification of defects by rework or adjustment.

Assessment Conditions

- Assessors must:
 - have vocational competency in assembling fabricated components at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires.
- Assessment must occur in a functioning workplace. Where assessment in the workplace would be unsafe, impractical or threatens the environment, assessment must occur in a sufficiently rigorous simulated environment that reflects the circumstances that would be experienced in a functioning workplace. Assessment must cover all aspects of workplace performance, including task skills, task management skills, contingency management skills and job role environment skills.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>